BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE ELECTRICAL DIVISION

Name of the work :- Detaild estimate for Providing LED Lights to Burial Grounds in Yelahanka Zone Ward No 1-14

Budget Head: P0486

Division No..... Estimate No.....

Est Cost Rs. 600000.00

Sl. No	SR Page No	Description	Unit	Qty	Rate	Amount
1	11/ 4.1.1 CSR 2023-24	Fabricating,supplying and erecting Swaged tubular Pole of height ..m having three sections, and providing two coats of red oxide paint and finished with two coats of enamelled paint of approved quality and colour and M.S baseplate of suitable size welded at the bottom of the Pole(as per IS) and 40mm dia GI/flexible PVC pipe of 1m length fitted to the heavy gauge polycarbonate control box including 5Way connect or of size 167x125x82mm for 7.5M Pole/200x160x9 mm for remaining length of Pole with front opening cover, with locking arrangements and suitable capacity MCB/DPswitch. ThePole shall be erected in cement concrete work(1:2:4) including excavation and refilling of planting depth of the Pole to the ground level and the coping CC shall be upto 0.6m above ground level as per IS2713-7. 9m (5m Hb,165.1 mm dia 4.85 mm thick x 2m Hm, 139.7 mm dia 4.50 mm thick x 2m Ht,114.3 mm dia 3.65 mm thick) as per IS 410 SP 32	Each	7	15500.00	108500.00
2	46/ 11.9.4 CSR 2023-24	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency> 1301m/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing / Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source LED Floodlight 150W	Each	17	12490.00	212330.00
3	20/ 5.41.1 CSR 2023-24	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron. And M.S. Flat.... with bolts,washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40 x 40 x 6 mm	m / m^3	10.00	305.00	3050.00

4	56/ 13.5 CSR 23-24	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existingpole /wall ceilingincluding clamps, bolts, nutsandwiring using suitable capacity wires.	Each	17	162.00	2754.00
5	17/5.15.9 CSR 23-24	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load.For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.FOUR POLE100Amps 25kA	Each	4	8487.00	33948.00
6	5.44.1/21 CSR 23-24	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof,dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cut-out with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.**300 mm x 300 mm x 214 mm**	Each	4	4512.00	18048.00
7	21/ 48.02 CSR 2023-24	1.1 kV Class HR (Heat Resistant) PVC Insulated & Sheathed Aluminium Single Core Lead wires as per IS-694: 2010 PVC Wire - **4 Sqmm Weight per 100 Mtr Coil: 2.4 Kg**	Coil	1	1791	1791.00
8	18/ 42.07 CSR 2023-24	1.1 kV, LT Aerial Bunched Cable, XLPE insulation confirming to IS-14255: 1995 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	KM	0.59	164831.00	97250.29
9	54/ 24.04 CSR 2023-24	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control	KM	0.59	33660.00	19859.40
10	18/ 43.01 CSR 2023-24	Suspension Clamp suitable for insulated Messsenger wire of size 25 to 95 Sqmm	No	7	355	2485.00
11	19/ 43.12 CSR 2023-24	Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connection	No	10	186.00	1860.00
12	19/ 43.17 CSR 2023-24	Dead End Clamp/Anchor Clamp Assembly 16 to 70 Sqmm Bare Messenger (Exclusive of Pole Clamp and Eye Hook)	No	7	232.00	1624.00
13	54/24.06 CSR 2023-24	Erection of Suspension Clamp - 25 to 95 Sqmm bare/Insulated messenger	No	7	96.00	672.00

14	54/24.13 CSR 2023-24	Installation of Insulation piercing connector for Main to Service Line Main : 16-95 Sqmm, Tap: 4-35 Sqmm (P2X95)	No	10	128.00	1280.00
15	55/25.02 CSR 2023-24	Fixing of Dead End Clamp	No	7	380.00	2660.00
		Total Rs				**508111.69**
		GST 18 % on Item no 1-15				**91460.10**
		Misscelleneous charges				**428.21**
		TOTAL				**600000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on CSR 2023-24.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 600000=00
Rupees SIX LAKHS ONLY
is accorded to P0486 M and R to Burial Grounds and Burning Gheetal ELECTRICAL Crematorium
Registered as EE No. 24/23-24 Subject to conditions contained in enclosed memo No. BBMP/EE(ELE)/42/AS/24/23-24 Dt 30-01-2024

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 600000=00
Rupees SIX LAKHS ONLY
Under P0486 M and R to Burial Ground and Burning GH FMS/etc.
Registered as EE ( ) No. 05/23-24 9 9
Subject to conditions contained in enclosed memo EE ( ) No. BBMP/EE(ELE)/42/AS/24/23-24
Dt. 30-01-2024 Estimate Sanctioned No. BBMP/EE(ELE)/42/TS/05/23-24
Dated 02-02-2024 Rs. 600000=00

Executive Engineer